

**I CLAIM:**

1. A woven electric heating element comprising:

an electric heating sheet formed by weaving an electric heating wire and an insulating thread; and

5 two heat-resistant insulating layers covering respectively two opposite surfaces of said electric heating sheet.

2. The woven electric heating element of Claim 1, wherein said electric heating wire is formed into a plurality  
10 of conductive warp lines, and said insulating thread is woven weftwise on said conductive warp lines.

3. The woven electric heating element of Claim 2, further comprising a coarse insulating warp yarn disposed between two adjacent ones of said conductive warp lines,  
15 said insulating thread being a fine thread woven weftwise on said insulating warp yarn and said conductive warp lines.

4. The woven electric heating element of Claim 2, further comprising two conductive clamp plates which are mounted  
20 respectively on two opposite ends of said electric heating sheet between said insulating layers to position respectively two opposite ends of each of said conductive warp lines.

5. The woven electric heating element of Claim 4, wherein  
25 said electric heating sheet further includes an insulating warp yarn, said electric heating wire including two separate first and second heating wires,

said first heating wire being formed into a plurality of conductive warp lines on one side of said insulating warp yarn, said second electric heating wire being formed into a plurality of conductive warp lines on the other side of said insulating warp yarn, one end of said first electric heating wire being connected to one end of said second electric heating wire.

6. A process for making a woven electric heating element, comprising:

10       weaving an electric heating wire with an insulating thread so as to form an electric heating sheet; and  
          covering two opposite surfaces of said electric heating sheet with two heat-resistant insulating layers, respectively.

15       7. The process for making a woven electric heating element of Claim 6, wherein step (a) comprises warping said electric heating wire to form a plurality of conductive warp lines, and weaving weftwise said insulating thread on said conductive warp lines.

20       8. The process for making a woven electric heating element of Claim 7, wherein said insulating thread is a fine thread, step (a) further comprising the step of disposing a coarse insulating warp yarn between two adjacent ones of said conductive warp lines.

25       9. The process for making a woven electric heating element of Claim 6, further comprising the step of connecting two conductive clamp plates respectively to

two opposite ends of said electric heating wire.

10. The process for making a woven electric heating element of Claim 6, further comprising the steps of cutting said electric heating sheet into cut sections, and connecting said cut sections in parallel.

11. The process for making a woven electric heating element of Claim 6, further comprising the steps of cutting said electric heating sheet into cut sections, and connecting said cut sections in series.